

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse MSK2 in Western blots. Does not detect recombinant human MSK1.
Source	Monoclonal Rat IgG _{2A} Clone # 261034
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human MSK2 Met1-Ser772 Accession # O75676
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Mitogen- and stress-activated protein kinase 2 (MSK2), also known as ribosomal protein S6 kinase B (RSKB) and RPS6KA4, belongs to the family of AGC kinases. Both MSK2 and the related MSK1 have two kinase domains connected by a regulatory linker region and are activated by the mitogen-activated protein kinases ERK1, ERK2, and p38. Nuclear MSK phosphorylates and activates a number of transcription factors, including ATF1 and CREB.

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